Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

Claims 1-13 (Canceled)

Claim 14 (Currently amended): A method of removing As(III) and As(V) from arsenic-contaminated waters, comprising the steps of:

(a) contacting the arsenic-contaminated waters with a zeolite adsorbent coated with nanophase Mn-Fe oxide, wherein Mn ~~(III)~~ containing oxide in said adsorbent oxidizes As(III) to As(V), wherein oxidized and native As(V) is adsorbed by Fe oxide in said adsorbent for subsequent removal; and

(b) removing the oxidized and native As(V) from said waters.

Claim 15 (Cancelled)

Claim 16 (Canceled)

Claim 17 (Original): The method of claim 14, wherein the adsorption is performed at the pH range from about 4 to about 9.

Claim 18 (Original): The method of claim 14, wherein the resulting waters comprise less than 3ppb of As(III) and/or As(V).

Claim 19 (Original): The method of claim 14, wherein said waters are ground waters or surface waters.

Claim 20-23 (Canceled)

Claim 24 (Currently amended) A method of removing arsenic having various valence states from arsenic-contaminated waters ~~without a preoxidation state~~, comprising the steps of:

(a) ~~in a single step,~~ using a zeolite adsorbent coated with nanophase Mn-Fe oxide to oxidize oxidizing the arsenic having lower valence states to arsenic having higher valence states in said arsenic-contaminated waters; and

(b) removing the oxidized and native arsenic having higher valence states from said waters by said adsorbent.

Claim 25 (Original): The method of claim 24, wherein said arsenic-contaminated waters comprise As(III) and As(V).

Claim 26 (Cancelled)

Claim 27 (Previously presented): A method of removing arsenic having various valence states from arsenic contaminated waters, comprising the steps of:

(a) oxidizing the arsenic having lower valence states to arsenic having higher valence states in said arsenic-contaminated waters; and

(b) removing the oxidized and native arsenic having higher valence states from said waters;

wherein said arsenic having lower valence states is oxidized by a Mn-containing oxide;

wherein said Mn-containing oxide is selected from the group consisting of birnessite, Si-birnessite, Mn-ferrihydrite and zeolite coated with nanophase Mn-Fe oxide.

Claim 28 (Previously presented) The method of claim 27, wherein said oxidized and native arsenic having higher valence states is adsorbed and removed by a Mn-containing Fe oxide.

Claim 29 (Cancelled)

Claim 30 (Original): The method of claim 28, wherein the adsorption is performed at the pH range from about 4 to about 9.

Claim 31 (Original): The method of claim 28, wherein the resulting waters comprise less than 3 ppb of As(III) and As(V).

Claim 32 (Original): The method of claim 28, wherein said waters are ground waters or surface waters.

Claims 33-37 (Canceled)